

ART. XIV. *Meteorological Observations made in the City of Philadelphia, latitude 39° 57', and on the Island of Tinicum, eleven miles south-west from Philadelphia, latitude 39° 48' for the year 1826.** By GEORGE F. LEHMAN, M. D. Lazaretto Physician of the Port of Philadelphia.

JANUARY, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	39	44	41	S. W.	Cloudy. Rain.
2	28	31	30	S. W.	Overcast.
3	30	31	35	S. W.	Clear.
4	35	39	37	S. W., W.	Clear.
5	20	26	25	S. W., N. W.	Clear.
6	22	27	30	S. W., N. W.	Clear.
7	34	35	38	S. W.	Cloudy. Light rain.
8	43	45	47	S. W.	Cloudy. } Foggy weather.
9	43	49	50	S. W.	Cloudy. }
10	49	52	54	S. W.	Clear.
11	40	44	44	S. W.	Clear.
12	39	42	44	S. W., S.	Overcast.
13	35	39	43	W., S. W.	Clear.
14	44	48	52	S., N. E.	Flying clouds.
15	51	53	44	S. W.	Cloudy.
16	32	32	31	S. W., S. by N.	Clear.
17	29	31	33	N. W.	Clear.
18	30	33	35	N. W.	Clear.
19	30	36	37	S. W., W.	Overcast.
20	30	30	32	N. W., N. E.	Clear.
21	29	33	34	N. E.	Clear.
22	29	31	36	N. W., S. W.	Clear.
23	36	40	42	S. W., S.	Clear.
24	36	37	35	E., W.	Cloudy. Snow.
25	16	17	16	N. W.	Clear.
26	16	19	22	N. W.	Clear.
27	22	32	38	S.	Overcast.
28	36	36	37	S., N. W.	Cloudy.
29	34	40	39	S., N. E.	Clear.
30	25	28	28	N. E.	Cloudy. Snow.
31	12	14	15	N. E.	Cloudy. Snow.

* The observations were made in the city, for the months of December, January, February, March, April, and May; and on the Island, for June, July, August, September, October, and November. The vane upon which I relied during the winter months having proved untrue, I am indebted for the correction of the winds, &c. to the record of the Pennsylvania Hospital, and Health-office, kept by Mr. Thomas Smith and Joseph Pryor.

Total rain during the month	-	-	-	-	1.23 inches.
Mean temperature	-	-	-	-	34.60° Fahr.
Maximum	-	-	-	-	54°
Minimum	-	-	-	-	12°
Range of Thermometer	-	-	-	-	42°

Hottest day, 10th.—Coldest day, 31st.

Comparison with January, 1825.

Mean temperature	-	-	-	-	0.42° less this year.
Maximum	-	-	-	-	7° greater.
Minimum	-	-	-	-	8° less.

January 3d.—There was a heavy fall of snow at Quebec, and on the 5th, the thermometer fell to 8° below zero.

Hallowell, Maine, January 4th.—The rain, which fell with little intermission during Friday and Saturday last, produced a freshet which has cleaned out the ice from the river, and inundated the wharves. A winter freshet, sufficient to break up the ice, has not occurred in the Kennebeck before for eighteen years.

New Jersey, January 10th.—The weather since the commencement of winter has been very changeable. Last week large masses of ice were floating in the river, now there is scarcely any.

Quebec, January 11th.—The present winter has been remarkable for sudden and great variations of temperature; a few very cold days, the thermometer down to between 10° to 20° below the zero of Fahrenheit, and then rising to between 10° to 20° above freezing. The last cold was on the 5th instant, when the thermometer was down to 10° below zero. On the 9th, during the night and next morning, it rained heavily, wind at north-east.

Albany, N. Y. January 12th.—The river in the neighbourhood of this city is entirely free of ice. The rise of water has been great.

Mount Carbon, Penn. January 13th.—For more than a week past, the weather has been singularly warm and mild, with occasional showers.

Norfolk, Virginia, January 16th.—On the night of the 14th, about 10 o'clock, a violent tornado suddenly arose this side of Suffolk, extending about half a mile, which did considerable damage to property. Its duration was about fifteen minutes. Large white oak trees of the diameter of two feet were uprooted.

Raleigh, North Carolina, January 17th.—The weather last week was mild as spring. On the night of the 14th we had a violent storm of rain and wind, accompanied with thunder and lightning. On the 15th, there was a sprinkling of snow, and yesterday morning the thermometer was down to 38°.

Quebec, January 19th.—The health of this city since the beginning of last autumn has been worse than for many years past. The chief character of the diseases was inflammatory, probably owing to the great heat of the summer, and the extraordinary mildness of the weather to this period.

Providence, Rhode Island, January 27th.—During the late warm weather, multitudes of grasshoppers were seen in Warwick, ten miles distant from Providence.

Philadelphia, January 30th.—It commenced snowing between 8 and 9 o'clock A. M. and continued until 4 P. M. The average depth was between three and four inches.

The influenza prevails pretty generally in Pennsylvania, and in the adjoining states.

FEBRUARY, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	11	13	18	N. W., N. E.	Clear. Cloudy.
2	27	33	34	N. E., S.	Cloudy. Snow.
3	35	37	37	S. W., N.	Clear.
4	29	33	35	N. W.	Clear.
5	35	35	40	N. W., W.	Overcast.
6	31	39	41	W.	Clear.
7	35	38	39	S. W.	Cloudy. Rain.
8	39	41	42	W., S. W.	Clear.
9	31	35	36	N. W., N.	Clear.
10	36	38	42	S. W.	Cloudy. Light rain.
11	40	43	46	S. W.	Cloudy. Rain.
12	35	45	46	S. W., W.	Cloudy. Clear.
13	40	40	41	N. W., N.	Clear.
14	39	42	45	E.	Cloudy.
15	28	29	31	N. W.	Clear.
16	31	34	37	N. W.	Clear.
17	36	35	36	N. W.	Clear. Overcast.
18	29	30	31	N. W.	Clear.
19	32	36	36	N. W., W.	Overcast.
20	33	35	35	N. E.	Cloudy. Rain.
21	36	36	39	N. E.	Cloudy. Rain.
22	36	38	38	N. W.	Cloudy.
23	31	39	43	N. W.	Clear.
24	44	49	54	S., W.	Cloudy.
25	52	63	63	S., S. W.	Clear.
26	50	55	56	S. W.	Clear.
27	40	42	41	N. E.	Cloudy. Rain.
28	37	37	38	N. E.	Cloudy. Rain.

Total rain during the month - - - - 2.41 inches.

Mean temperature - - - - 37.60° Fahr.

Increase of heat from last month - - - 3°

Maximum - - - - 63°

Minimum - - - - 11°

Range of Thermometer - - - - 52°

Hottest day, 25th.—Coldest day, 1st.

Comparison with February, 1825.

Mean temperature - - - - 1.61° greater this year.

Maximum - - - - 9° greater.

Minimum - - - - 6° less.

Albany, N. Y. February 1st.—The earth is now covered three inches deep with snow, and the weather is extremely cold.

Philadelphia, February 2d.—At daylight the thermometer was 4° above zero.

Boston, Mass. February 2d.—The weather continued severely cold yesterday.

In the morning the thermometer was as low as 14° below zero. The harbour is now completely frozen.

Philadelphia, February 4th.—Before sunset a large flight of wild pigeons passed over the city, steering their course to the Jersey cedars. This migration is at least a month earlier than usual.

Philadelphia, February 8th.—The Delaware river, which closed for the first time this season on the night of the 31st of January, again opened and became navigable this morning.

New York, February 21st.—The weather continues changeable. Yesterday morning between 2 and 3 o'clock with mild and calm weather, snow began to fall, and continued until after 12 meridian—the greatest fall of snow during the season. The afternoon was mild without sunshine, and a drizzling rain set in about dark.

Fort Niagara, February 22d.—The winter has been stormy and unpleasant, the weather cold and changeable. Yesterday the thermometer stood at 50° above zero, and to day it is 20° . It has been as low as 4° below zero.

Mifflintown, Penn. February 25th.—For the last ten days we have had every indication of approaching spring. The ground is almost free from frost, and the late rains have raised our river.

Harrisburg, Penn. February 27th.—The weather of last week was remarkably mild. The Susquehanna is clear of ice. Flights of pigeons have been observed for several days, and the wild geese are on their way to the lakes.

York, Penn. February 28th.—A very large flock of crows flew over our town on the 24th instant, to the north.

In the southern states, the influenza prevails most extensively and severely.

MARCH, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	37	38	38	N. E.	Cloudy. Rain.
2	40	39	42	N. E.	Cloudy. Rain.
3	43	45	48	N. E.	Cloudy. Rain.
4	44	49	51	S. W., N. W.	Cloudy. Rain.
5	49	51	54	N. E.	Cloudy. Rain.
6	50	52	53	N. E.	Cloudy. Rain.
7	39	41	43	N. E.	Cloudy.
8	40	40	43	N. E.	Cloudy. Rain.
9	46	49	51	S.	Clear.
10	62	65	69	S. W.	Cloudy. Rain.
11	49	50	53	N. W.	Clear.
12	36	48	50	S. E.	Overcast.
13	46	50	54	N. W.	Clear.
14	38	41	44	N. E., S. W.	Clear.
15	39	46	49	S. W.	Cloudy. Showers.
16	49	52	51	S. W., N. W.	Clear. Wind very fresh.
17	31	34	38	N. W., N.	Clear.
18	34	36	36	N. E.	Cloudy. Rain and Snow.
19	37	38	38	N. E.	Cloudy. Rain and Snow.
20	59	40	41	N. E., S. W.	Cloudy. Rain, with thunder and lightning.
21	37	40	41	N. W.	Clear.
22	39	42	47	N. W., S. W.	Clear.
23	41	54	61	N. E., N. W.	Overcast.
24	64	68	69	S. W.	Cloudy. Rain. Thunder and Lightning.
25	45	44	43	N. W.	Clear.
26	37	38	39	N. W.	Clear.
27	35	36	39	N. W., W.	Clear.
28	39	44	49	S. W.	Cloudy. Showers.
29	45	48	50	S., N. W.	Overcast.
30	40	44	45	N. W.	Clear.
31	35	44	47	N. W.	Clear.

Total rain during the month - - - 3.65 inches.

Mean temperature - - - 45.02° Fahr.

Increase of heat from last month - - - 7.42°

Maximum - - - 69°

Minimum - - - 31°

Range of thermometer - - - 38°

Hottest day 24th.—Coldest day 17th.

Comparison with March, 1825.

Mean temperature - - - 2.78° less this year.

Maximum - - - 3° greater.

Minimum - - - 5° less.

Fayetteville, N. C. March 1st.—For several days past, the weather has been uncommonly warm that vegetation has progressed to a surprising degree. Many peach trees are in full bloom.

Columbus, Ohio, March 2d.—The greatest fall of snow this winter, was on Sunday evening and Monday last.

St. Louis, Missouri, March 2d.—On Monday last a greater fall of snow occurred than we have witnessed for at least five years. Our winter has been uncommonly long and dry, and more uniformly cold than usual.

Mount Carbon, Penn. March 3d.—We have had during the week, several very fine spring days, and a considerable quantity of warm rain.

Greensburg, Penn. March 3d.—For the last three or four days it has rained almost uninterruptedly.

Wiscasset, Maine, March 3d.—On Sunday last, about a mile from this village, large numbers of grasshoppers were discovered jumping and moving about with as much vigour as in the summer season.

Salem, Mass. March 4th.—For several days the weather has been warm and pleasant, the thermometer ranging from 35° to 53°.

Goshen, N. Y. March 5th.—The effects of the late storm among the fruit, ornamental and forest trees, have been disastrous in the extreme. Never before was such a body of ice known to cleave to them, or to continue on them for so long a time; the comparative weight of ice and wood as ascertained by experiment, was about thirty pounds of ice to one of wood, on small twigs.

Richmond, Va. March 6th.—There is every indication of spring. On the morning of the 4th, there was a long and continual succession of thunder and lightning. The heat was very oppressive. On the 5th, at two o'clock, the thermometer stood in the shade at 75° on Shockæ-hill, this day at 84°. Shad are already in market. The garden violet is in flower, and the apricot is in bloom.

Alexandria, D. C. March 5th.—The weather is oppressively warm. Immense flocks of wild pigeons are now visiting this part of the country.

Cincinnati, Ohio, March 7th.—Incessant rains have fallen for several days, and the river is very high, and still rising.

Cheraw, S. C. March 3d.—The thermometer is ranging from 75° to 81°. Peach trees have been in bloom for some days, and corn and peas are in considerable progress. Our river is unusually high, and the banks are overflowed.

Petersburgh, Va. March 4th.—The thermometer in a cool situation is at 85°. Already the early fruit trees, such as the peach, apricot, &c. are in full blossom.

Pittsburgh, Penn. March 8th.—There has been a fine rise of waters, occasioned by heavy rains.

Harrisburg, Penn. March 9th.—Thousands of swans and wild geese now cover the Susquehanna, in the vicinity of this place, which is very unusual, and can only be accounted for from the fact that ten days ago the Alleghany Mountains, south of us, were covered with snow. The Susquehanna is higher than it has been for some seasons past.

Charleston, S. C. March 13th.—After three weeks of unusually warm and dry weather, we had a copious shower of rain on the 11th, attended by thunder and lightning.

Middletown, Penn. March 24th.—About one o'clock we were visited by a severe storm, with heavy rain, which lasted with unabated violence for two hours.

Montgomery, Al. March 24th.—Our spring has been remarkably mild and pleasant until within a few days. On the night of the 20th, a severe frost injured cotton that had made its appearance above ground. The weather is again warm.

JULY, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	74	78	79	W., S. W.	Clear. Hazy. Shower at sunset.
2	74	78	79	S. W., N. W.	Clear.
3	74	77	80	S. W.	Hazy. Clear.
4	73	78	79	S. W.	Overcast. Clear.
5	73	75	74	N. E.	Cloudy. Rain. Hard rain at night.
6	71	75	78	N. W.	Clear.
7	75	81	82	N. W.	Clear.
8	78	83	85	S. W.	Clear.
9	78	80	83	N. E.	Clear.
10	75	78	82	S. W.	Clear.
11	76	80	84	S. W.	Clear.
12	78	81	86	S. W.	Clear.
13	79	82	85	S. W., N. W.	Clear. Cloudy. Hard showers.
14	74	74	74	N. W.	Cloudy.
15	71	74	74	N. W.	Clear.
16	74	77	81	S., S. W.	Cloudy. Clear.
17	77	80	83	S. W.	Clear. Shower at sunrise.
18	76	77	78	N. W.	Clear.
19	74	76	78	N. W.	Clear.
20	75	77	78	S. W.	Clear.
21	75	79	81	S. W.	Clear.
22	80	82	85	N. W.	Clear.
23	79	82	83	N. W.	Clear.
24	72	76	77	N. W.	Clear. Cloudy.
25	69	72	74	N. W. fresh.	Clear.
26	68	72	73	N. W. fresh.	Clear.
27	67	70	73	N. W. fresh.	Clear.
28	70	74	76	N. W., N. E.	Clear.
29	70	75	78	N. E., S. E.	Clear.
30	71	75	78	N. E., S. E.	Clear.
31	71	74	78	E., S. W. variable	Clear.

Total rain during the month - - - - 4.75 inches.

Mean temperature - - - - 86.43° Fahr.

Increase of heat from last month - - - 14.26°

Maximum - - - - 86°

Minimum - - - - 67°

Range of thermometer - - - - 19°

Hottest day, 13th.—Coldest day, 27th.

Comparison with July, 1825.

Mean temperature - - - - 6.06° greater this year.

Maximum - - - - 5° less.

Minimum - - - - 3° less.

Pennsylvania, July 1st.—Considerable damage has been done by the swelling of the waters in the interior of the state.

Boston, Mass. July 2d.—The city and neighbourhood were visited with a severe thunder shower, which lasted more than half an hour. The lightning was vivid, and some of the peals of thunder tremendous.

Portsmouth, Ohio, July 6th.—The Ohio river has been rising gradually for the last six weeks, to the extent of thirty perpendicular feet. A great deal of rain has fallen.

Wilkesbarre, Penn. July 7th.—On the afternoon of the 2d, a destructive hail storm visited Pittston township, in this county. The grain crops were beaten to the ground, and fruit trees stripped of their leaves and small twigs. The houses on the north-east side are left without a pane of glass. The hail-stones were about as large as musket balls.

Charleston, S. C. July 8th.—About twenty minutes before eleven o'clock at night, a brilliant meteor of the size of the full moon appeared in a south-west direction. Its height was 45° above the horizon, and it moved in a direct line north. It was at least fifteen seconds in its course, and the train of light it left behind was as bright and vivid as the meteor itself.

Mobile, Alabama, July 11th.—For two weeks the weather has been very hot and dry, with a prevalence of north winds, which experience has shown to be particularly unfriendly to the health of the city.

Quebec, July 14th.—On the 11th, 12th, and 13th, a good thermometer continued for hours before and after midday at 94 , 95 , and 96° of Fahrenheit in the shade. Exposed to the sun, the thermometer rose to 140° .

Salem, Mass. July 15th.—During the last four days the weather has been excessively hot. On the 11th, at noon, Fahrenheit's thermometer was at 98° , and on the 12th and 13th, at 96° . On the 14th a fine rain fell, and the weather changed. At eight o'clock A. M. to day, the thermometer stood at 69° , and at three o'clock at 73° .

Fayetteville, N. C. July 19th.—There never was known in this section of the country, a summer season so dry as the present. The streams have been so dry that people in some of the neighbouring counties were obliged to go forty, fifty, and even sixty miles to get their corn ground.

Richmond, Virginia, July 21st.—For several days past we have not been favoured with a shower of rain. The drought is severely felt in various directions.

Harrisburg, Penn. July 24th.—The weather was distressingly warm last week, and notwithstanding the thunder gusts that have been passing around us, it continues sultry.

Wickford, Rhode Island, was visited July 26th, with a severe hail storm from the south-west, attended with vivid lightning, and heavy thunder. The hail-stones were three inches in circumference, and fell in great quantities.

AUGUST, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	74	74	76	N. W., S. W.	Cloudy. Sprinkle of rain.
2	75	78	79	N. W.	Clear.
3	70	73	75	N. E.	Clear.
4	71	75	76	N. E., S. E.	Overcast. Clear.
5	71	76	75	N. E. fresh.	Clear. Cloudy.
6	72	74	75	N. E. fresh.	Cloudy. Sprinkle of rain.
7	74	79	82	S. E., S. W.	Clear. Overcast.
8	66	70	70	N. W.	Cloudy. Rain at daylight.
9	69	73	75	N., N. E.	Clear.
10	70	74	75	N., N. E. fresh.	Clear. Cloudy. Small rain at night.
11	72	73	72	N. E. fresh.	Cloudy. Small rain.
12	72	73	74	N. E.	Cloudy. Rain.
13	74	78	80	N. E.	Clear.
14	72	76	80	N. E., S. W.	Cloudy. Clear.
15	76	79	82	N. E., E.	Clear. Cloudy. Showers, P. M.
16	76	77	78	N. E.	Cloudy. Light rain at daylight.
17	74	78	79	N. E.	Flying clouds. Clear.
18	74	79	80	N. E.	Clear.
19	76	80	84	N. E., S. W.	Clear.
20	80	86	86	S. W., E.	Clear. Cloudy. Sprinkle of rain, with thunder.
21	76	80	80	N. E., S. W.	Cloudy. Showers.
22	72	76	78	N. E., N.	Clear.
23	69	74	75	N. W.	Clear.
24	72	76	79	N. E.	Clear.
25	71	75	78	N. E.	Overcast. Clear.
26	73	76	74	N. E., S. E.	Overcast.
27	74	79	78	N. E., E.	Clear. Cloudy. Shower.
28	75	78	81	E., S. W.	Cloudy. Clear.
29	72	76	78	N. W., S. W.	Clear.
30	71	78	80	N. W., S. W.	Clear.
31	70	74	78	N. E.	Clear.

Total rain during the month - - - - 3.21 inches.

Mean temperature - - - - 75.57° Fahr.

Decrease of heat from last month - - - 10.86°

Maximum - - - - - 86°

Minimum - - - - - 66°

Range of Thermometer - - - - 20°

Hottest day, 20th.—Coldest day, 8th.

Comparison with August, 1825.

Mean temperature - - - - 0.34° less this year.

Maximum - - - - - 3° less

Minimum - - - - - 6° greater.

August 1st.—The town of Chatham, N. C. on the river Thames, was visited by a tornado, accompanied with rain and snow. For the width of a mile it pros-

trated houses, barns, fences, and trees. The snow covered the ground, and did not disappear for twenty-four hours.

Richmond, Va. August.—Two shocks of an earthquake have been lately felt in this city; one on the 9th, about nine o'clock at night, the other on the 14th, at twelve o'clock, M.

New Orleans, Louisiana, August 10th.—The weather, for many weeks past, has been extremely warm.

Trenton, N. J. August 12th.—After two day's threatening with clouds and wind from north-east, we had a heavy fall of rain. To the south and east of us the fall of rain was unprecedented. The roads are much damaged, and the meadows inundated.

Camden, N. J. August 12th.—A moderate shower of rain was experienced in this vicinity. In some remote parts of the country the rain descended in torrents, swelled the brooks and rivulets to an unusual and alarming extent, sweeping away bridges, mill-dams, and carrying almost every obstacle before the resistless fury of the current.

Boston, Mass. August 14th.—It has rained here, with little intermission, for four days and nights, in torrents, and continues without any appearance of change.

New Bedford, Mass. August 15th.—Rain has fallen almost continually for four days, accompanied by frequent flashes of lightning and heavy thunder. The quantity fallen since the 10th is nearly eleven inches.

Wilkesbarre, Penn. August 18th.—A very brilliant meteor passed a little to the north of us, in the evening. It moved with a rapid pace until exhausted.

Quebec, August 21st.—For four or five weeks there has not fallen any rain, and the week just ended was the warmest experienced here for many years, the thermometer standing in the shade, at noon, at 92° to 93°. The drought has been severely felt in the district of Montreal and Three Rivers.

York, Penn. August, 27th.—One of the heaviest rains ever known, fell in the northern section of this county, along the Conawago river, while in this borough not as much fell as to moisten the dust.

New York, August 28th.—For nearly three weeks not a single day has passed, except the 26th, without copious showers during some part of the twenty-four hours; generally, however, the rain has descended at night, while the sun has shone the greater part of the day.

Boston, Mass. August 31st.—The weather for two days past has been remarkably pleasant. For the preceding nineteen days it rained almost every day, and during the greater part of the time. The quantity of rain which has fallen this month is 11.28 inches. The following table will show the quantity which has fallen since the beginning of the year.

January, 3.10 inches.	May, 0.37 inches.
February, 1.57	June, 3.80
March, 4.24	July, 3.
April, 2.07	August, 11.28

Most of the tributary streams of New England experienced a sudden and extraordinary rise, in consequence of the rain of August 28th. They rose from six to eight feet, and on the succeeding day to twelve feet, overflowing the banks and meadows, and occasioning great damage.

The malignant fever prevails at Mobile, Alabama.

SEPTEMBER, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	70	77	78	N. E.	Clear. Overcast.
2	74	78	84	N. E., S.	Overcast. Clear.
3	78	83	84	S. W. fresh.	Clear.
4	79	84	86	S. W. fresh.	Clear. Cloudy. Large showers at 6 P. M. with heavy thunder and lightning.
5	78	82	84	S. W. fresh.	Clear. Overcast.
6	71	73	73	N. W. fresh.	Clear.
7	66	68	69	N. E. fresh.	Cloudy.
8	65	68	71	N., N. E.	Cloudy. Clear.
9	69	76	80	S. W. fresh.	Clear.
10	72	76	78	N. W. fresh.	Clear.
11	71	77	80	N. E., S.	Clear.
12	73	75	77	N. E.	Cloudy. A sprinkle of rain.
13	74	77	80	N. E., S. W.	Clear.
14	73	78	80	S. W., S. fresh.	Clear. Cloudy.
15	69	71	72	N. W. fresh.	Clear.
16	62	64	66	N. W. fresh.	Clear.
17	58	67	70	N. W., S. E.	Cloudy. Clear. Thermom. 50° at sunrise.
18	64	68	70	S. E., S. W.	Cloudy. Small rain.
19	67	68	68	N. W.	Cloudy.
20	64	69	70	N. E.	Cloudy. Clear.
21	65	71	74	S. W.	Clear.
22	69	74	77	S. W., S.	Clear.
23	72	73	74	S. W., S. E.	Cloudy.
24	60	61	59	N. E.	Cloudy. Rain.
25	57	58	60	N. E.	Cloudy.
26	58	64	64	N. E., E.	Cloudy. Rain.
27	72	77	79	S. fresh.	Overcast. Clear. Small rain.
28	69	68	66	N. W.	Cloudy.
29	60	64	66	S. W. fresh.	Clear. Thermom. 54° at sunrise.
30	60	64	66	N. W., S. W.	Clear. Thermom. 50° at sunrise.

Total rain during the month - - - - - 2.10 inches.

Mean temperature - - - - - 71.17° Fahr.

Decrease of heat from last month - - - - - 4.40°

Maximum - - - - - 86°

Minimum - - - - - 57°

Range of thermometer - - - - - 29°

Hottest day, 4th.—Coldest day, 25th.

Comparison with September, 1825.

Mean temperature - - - - - 2.74° greater this year.

Maximum - - - - - 6° greater.

Minimum - - - - - 2° greater.

Quebec, September 1st.—Not more than four or five inches of rain have fallen since the middle of May. The drought and warmth of the summer in Lower Canada has been unparalleled.

New York, September 12th.—The drought in the western part of this state is excessive. In the vicinity of Cayuga Lake there has been no rain of consequence for ten weeks.

Richmond, Virg. September 13th.—Though we have a slight shower now and then, yet our creeks and rivers are still under the influence of the severe drought. The James' river is very low.

Charleston, S. C. September 13th.—A brilliant meteor passed over the city a few minutes before 7 o'clock P. M. Its course was from the north-west to south-east.

Quebec, September 16th.—The thermometer in the morning was at 44°, and snow fell a few miles below Quebec; the same thermometer on the 11th of July was at 93°, and on the 17th of August 92°.

Dover, New Hampshire, September 26th.—An apple tree is now to be seen here in full blossom.

The malignant fever prevails in New Orleans.

St. Jago, Cuba, September 18th.—In the morning between 3 and 4 o'clock, this city was visited with one of the most awful earthquakes that had been felt here for fifty years past, at which time nearly one-half of the town was destroyed. There were two shocks, the second more severe than the first, and the duration of each was about a minute. The noise resembled the rumbling of heavy loaded wagons, dragged over a paved archway, and finished with a tremendous explosion like the simultaneous discharge of an immense number of cannon. But few houses were thrown down, no lives lost, and the damage was comparatively trifling. Numbers of large fish were observed jumping and playing about the vessels in the harbour, just before the shock.

OCTOBER, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	64	68	69	N. W. fresh.	Clear.
2	59	66	70	N. W., S. W.	Clear.
3	66	70	70	N. W.	Clear. Shower at daylight.
4	60	66	72	N. W.	Clear.
5	66	72	75	S. W., S.	Clear.
6	68	72	76	S. W.	Clear.
7	66	71	72	S. W., S. fresh.	Overcast. Cloudy. Small snow at night.
8	53	61	60	N. W.	Clear. Thermom. 46° at sunrise. Frost.
9	54	59	60	N. W.	Clear.
10	54	62	65	N., N. E.	Clear.
11	57	60	60	N. E.	Cloudy. Rain at night.
12	52	54	56	N. E., N.	Cloudy. Rain. Thunder and lightning.
13	57	59	61	N. E., N.	Cloudy. Small rain.
14	60	66	68	N. E.	Clear.
15	64	66	65	N. W., S. W.	Clear. Overcast. Small rain at night.
16	62	68	69	S. W., N. W.	Cloudy. Clear.
17	62	65	64	N., N. E.	Clear.
18	55	66	64	N. E., S. W.	Clear. Overcast. Rain at night.
19	64	65	64	W., N. W.	Cloudy. Sprinkle of rain.
20	53	55	57	N. E.	Cloudy. Rain day and night.
21	60	60	62	E., S. E.	Cloudy. Large rain.
22	54	56	59	N. W.	Overcast. Clear.
23	49	52	54	N. W. fresh.	Clear. Thermom. 42° at sunrise. Frost.
24	52	54	48	N. W. very fresh.	Clear.
25	40	48	50	S. W.	Clear. Overcast. Ice, A. M. Tomatice, Melangine, and Lima bean vines killed.
26	54	59	60	N. W., S. W.	Clear. Hazy.
27	45	48	49	N., S. W.	Clear. Ice, A. M.
28	40	53	54	S. E. fresh.	Cloudy. Thermom. 36° at sunrise. Rain with lightning and thunder at night.
29	56	58	58	S. W. fresh.	Cloudy.
30	56	60	61	N. W. fresh.	Clear.
31	48	56	58	N. W., S. W.	Clear. Thermom. 42° at sunrise.

Total rain during the month - - - - 5.73 inches.

Mean temperature - - - - 59.88° Fahr.

Decrease of heat from last month - - - - 12.29°

Maximum - - - - 76°

Minimum - - - - 40°

Range of thermometer - - - - 36°

Hottest day, 6th.—Coldest day, 25th.

Comparison with October, 1825.

Mean temperature - - - - 0.59° less this year.

Maximum - - - - 2° less.

Minimum - - - - the same.

Norristown, Pennsylvania.—On the morning of the 9th and 10th, we had for the first time this autumn sharp frosts.

Washington, D. C. October 11th.—The very warm days and nights of the last week, have been closely followed by temperate noons and frosty evenings. The thermometer so lately at 80°, now scarcely reaches to 60°.

Norfolk, Va. October 11th.—In the afternoon the wind freshened up from the northward and eastward, and during the evening increased to a heavy gale, accompanied with a deluge of rain, and an uncommon high tide all night. Towards morning the wind hauled round to the westward, but without abating its violence all day.

Petersburg, Va. October 11th.—It commenced raining moderately in the morning, and continued during the day, but not to such an extent as to create any apprehensions of a serious rise of water in the Appomattox. As night came on the rain increased, and at 12 o'clock it fell in a solid sheet, and continued till daybreak. The Appomattox river rose with unprecedented rapidity, and overflowed its banks to a considerable extent.

New York, October 12th.—About 3 o'clock in the morning a storm commenced, which lasted with but little intermission until late at night. It was very violent, and the rain poured down in torrents. In Pearl street, and all the streets below, many of the cellars are filled.

Trenton, N. J. October 13th.—A storm of wind and rain set in this town, and the adjacent country, on the 11th, and continued until this morning. Much damage has been done in various places, by the blowing down of forest and fruit trees, fences, &c. An immense quantity of rain has fallen, and the streams have generally overflowed their banks.

Centreville, Maryland, October 14th.—The weather has undergone a pleasant change within the present week, and the frosts have checked our local fevers. The past summer has been very unhealthy, particularly throughout the eastern shore of Maryland.

St. Johns, N. B. October, 25th.—To day we had a regular snow storm, the first this season. It did not lay long.

The malignant fever prevails at Norfolk, Virginia.

NOVEMBER, 1826.

DAYS.	FARRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	59	59	59	S. W.	Cloudy. Rain. Before daylight it blew a gale from S.
2	60	61	62	N. E.	Cloudy.
3	55	58	57	N. W.	Clear.
4	40	43	35	N. E.	Cloudy. Thermom. 34° at sunrise. Snow and hail fell for two hours P. M. which melted as it fell. Rain at night.
5	37	39	42	N. E.	Cloudy.
6	47	49	50	N. E.	Cloudy. Thermom. 40° at sunrise.
7	54	60	64	S. W.	Cloudy. Clear. Gale at night from S. E.
8	48	50	52	N. W.	Clear.
9	44	52	52	S. E. fresh.	Clear. Cloudy. Ice at daylight.
10	48	53	53	S. W. fresh.	Clear.
11	46	49	51	N. W.	Clear.
12	46	53	58	S. W.	Clear.
13	40	42	47	N. W.	Clear. Thermom. 36° at sunrise.
14	40	43	45	S. E., S. W. fresh.	Cloudy. Frost.
15	53	59	60	W.	Clear.
16	49	55	58	W., N. W.	Clear.
17	59	61	63	S., S. W. fresh.	Cloudy. Rain. A gale from S. W.
18	48	49	45	N. W.	Clear. Cloudy. A gale from N. W. at night.
19	32	39	40	N. W.	Clear. Flying clouds. A spitting of snow.
20	36	43	43	N. W.	Clear.
21	38	41	42	N., N. W.	Cloudy. Clear.
22	36	39	41	N. W.	Hazy.
23	35	38	39	N. W.	Cloudy. Sprinkle of snow.
24	35	40	40	N. W.	Clear.
25	37	41	45	W., N. W.	Clear. Overcast. Rain at night.
26	55	60	53	S. W. a gale.	Cloudy. Rain all day.
27	36	40	41	S. W.	Clear. Cloudy.
28	38	41	40	W.	Cloudy. Clear.
29	34	39	41	S. W.	Clear.
30	40	44	49	S. W.	Overcast.

Total rain during the month - - - - 1.89 inches.

Mean temperature - - - - 47.02° Fahr.

Decrease from last month - - - - 12.86°

Maximum - - - - 64°

Minimum - - - - 32°

Range of thermometer - - - - 32°

Hottest day, 7th.—Coldest day, 19th.

Comparison with November, 1825.

Mean temperature - - - - 1.65° greater this year.

Maximum - - - - 6° less.

Minimum - - - - 2° greater.

Pittsburgh, Penn. November 3d.—The river is now two feet above low water mark, and continues rising.

Halifax, Nov. 2d.—On the opposite shore at Dartmouth, wild strawberries are in full bloom, and second crops of potatoes have been raised from seed, cut out of the first crop. They are of an ordinary size.

Milledgeville, Geo. Nov. 7th.—There has not been enough frost to injure the tenderest plant. The cotton fields in the neighbourhood are full of blossoms, and on the eve of winter we have weather almost as warm as midsummer.

Boston, Mass. Nov. 18th.—Snow has fallen this season in Montreal, Quebec, &c. to the north, New Brunswick, &c. to the east, and in Trenton, Philadelphia, &c. to the south, but not a flake has been seen here. There are many alive who all recollect, that on or before the Pope day's, (5th of November,) of olden times, there were for many years in succession snow and good sleighing.

Montreal, Canada, Nov. 14th.—There was a gradual fall of snow from 12 until 3 o'clock. The ground is covered.

St. Louis, Missouri, Nov. 16th.—The weather continues remarkably warm.

Charleston, S. C. Nov. 20th.—On the night of the 18th we had a black frost, and yesterday we saw ice 3-16ths of an inch in thickness.

Wilmington, N. C. Nov. 22d.—A continuance of very warm weather for two weeks past, has occasioned a return of sickness to the town and surrounding country. Some white frosts, and much ice have been lately formed, and will soon dissipate all remaining sickness.

New York, Nov. 23d.—The sky has been frowning upon us for several days, and about 5 o'clock this morning a snow storm commenced which continued several hours. Considerable snow has fallen to the north and west. The Quebec Mercury of the 14th, states that the weather was remarkably cold for the season. On that day a storm of snow commenced.

Baltimore, Nov. 26th.—Before daylight, and in the afternoon, the rain poured down in torrents, accompanied by heavy thunder and lightning.

DECEMBER, 1826.

DAYS.	FAHRENHEIT'S THERMOMETER.			WINDS.	WEATHER.
	9 A. M.	12 M.	3 P. M.		
1	45	48	47	S. W.	Clear.
2	37	38	38	W., N. W.	Clear.
3	30	31	31	N. W.	Clear.
4	29	32	33	N. E.	Cloudy.
5	33	37	39	N. W.	Clear.
6	39	42	44	N.	Hazy. Clear.
7	45	47	49	S. W.	Overcast. Hazy. Very heavy dew.
8	49	56	59	S. E.	Cloudy. Wind fresh at night.
9	55	48	47	N. W.	Cloudy. Rain.
10	35	37	42	W., N. W.	Clear. Overcast.
11	36	38	39	S. W.	Overcast. Clear.
12	35	37	41	S. W.	Clear. Overcast.
13	37	43	44	S. W.	Clear.
14	37	41	40	S. W., N. W.	Clear.
15	36	44	46	S. W., W.	Clear.
16	44	50	53	S. W.	Clear.
17	55	56	57	S. W., N. W.	Cloudy. Clear.
18	43	45	43	S. W., N. E.	Cloudy. Small snow and rain.
19	37	38	36	N. W.	Clear. Cloudy.
20	32	36	36	N. W.	Clear.
21	38	42	45	S. E.	Cloudy. Rain.
22	36	41	41	S. W., N. W.	Clear.
23	30	34	35	N. W.	Clear.
24	25	28	29	N. W.	Clear.
25	26	24	26	N. W.	Clear.
26	32	34	32	S. W.	Cloudy. Snow, rain, and hail.
27	31	28	22	N. W.	Overcast. Clear.
28	11	16	17	W.	Hazy. Cloudy. Ice floating in the Delaware.
29	16	21	25	N. E., N.	Hazy. Clear.
30	23	26	27	W., N.	Cloudy. Snow. Clear.
31	24	28	28	N. W.	Cloudy. Clear.

Total rain during the month - - - - 1.50 inches.

Mean temperature - - - - 36.90° Fahr.

Decrease of heat from last month - - - 10.12°

Maximum - - - - - 59°

Minimum - - - - - 11°

Range of thermometer - - - - 48°

Hottest day, 8th.—Coldest day, 28th.

Comparison with December, 1825.

Mean temperature - - - - 1° greater this year.

Maximum - - - - 3° greater.

Minimum - - - - 1° less.

Result of all the Meteorological Observations made in Philadelphus and on Tinian Island in the year 1826.

Month.	THERMOMETER.					Number of Fair days.	Cloudy days.	Depth of Haze.	Prevailing Winds.	Prevailing Weather of each month.
	Mean Tem- perature.	Maximum.	Minimum.	Range of Thermom.	Hottest days.	Cool- est days.				
January	54.60°	54°	12°	42°	10th	31st	17	14	1 23-100	Dry and moderate.
Feb.	57.60	63	11	52	25th	1st	12	16	2 41-100	Moderate, dry and agreeable.
March	45.02	69	31	38	24th	17th	13	18	3 63-100	Cloudy and cool.
April	50.52	75	31	44	18th	11th	11	19	2 79-100	Cloudy, cool and unpleasant.
May	74.56	86	56	30	17th	9th, 10th	18	13	0 18-100	Very warm, fair and dry.
June	72.17	87	59	28	11th	6th	14	16	4 96-100	Cloudy, wet and favourable to vegetation.
July	86.43	86	67	19	13th	27th	25	6	4 75-100	Fair, warm and moist.
August	75.57	86	66	20	20th	8th	14	17	3 21-100	Cloudy and moderate.
Sept.	71.17	86	57	29	4th	25th	13	17	2 10-100	Cloudy and temperate.
October	59.88	76	40	36	6th	25th	17	14	5 73-100	Fair, wet and moderate.
Nov.	47.02	64	32	32	7th	19th	17	13	1 89-100	Dry, pleasant and agreeable.
Dec.	36.90	59	11	48	8th	28th	15	16	1 50-100	Variable, cold and dry.

Prevailing winds of the year, S. W., N. W.

Total rain of the year, 34.40-100 inches.

Hottest month, July.

Coldest month, February.

Greatest range of thermometer occurred in February, 52°.

The mercury was the highest June 11th, 87°—lowest, December 28th, and February 1st, 11°.

Thunder and lightning occurred in fourteen days.

Mean temperature of the year, 54.54°.

Mean temperature of 1825, 56.98°.

The temperature of the whole year was moderate, with the exception of May, which was remarkably hot and dry. An abundance of rain fell during the summer months, and vegetation of all kinds was very prolific.